

What is claimed is:

1. A green oxide phosphor for emitting a visible ray, has a general composition formula of  $\text{Mg}_{1-(x+y)}\text{Al}_2\text{O}_4:\text{Eu}_x^{2+}, \text{M}_y^{2+}$ .

2. The green oxide phosphor according to claim 1, wherein  $\text{Eu}^{+2}$  is doped into a crystal of  $\text{Mg}_{1-(x+y)}\text{Al}_2\text{O}_4$  as an activator; and  $\text{Mn}^{+2}$  is added as a co-dopant.

3. The green oxide phosphor according to claim 2, wherein M is at least one selected from the group consisting of alkaline earth metals and transition metals such as Ca, Ba, Sr, Cu and Zn each having a valence of +2.

4. The green oxide phosphor according to claim 2, wherein X and Y are numbers ranged from 0 to 0.9999 respectively.

5. The green oxide phosphor according to claim 4, wherein a sum of X and Y is in the range from 0 to 0.9999.